

S1: Blockchain Assisted Technology for Smart Applications

Session organizers

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Session Summary:

Blockchain, a revolutionary technology, is revolutionizing business processes by shifting approaches to transparency, security, privacy, governance, and regulations. This shift is related to smart contracts-driven communication and cryptocurrency rewards. In recent years, Blockchain has been used to establish consensus methods, redefine incentives and smart contracts, and handle access, authentication, and network configuration. Blockchain has garnered popularity for allowing clever, creative companies to eliminate an intermediary.

Industries are rapidly realigning their infrastructures to incorporate blockchain networks, as seen in healthcare, energy, transport, education, insurance, security, and agriculture, to mention a few.

To explore advanced and cutting-edge research in the rapid widespread adoption of blockchain technologies in smart business, the aim is to provide a platform for researchers, academicians, and industries to discuss and share their perspectives on the adoption of blockchain technology for redefining business, the anticipated challenges, and potential mitigation measures.

An chance to bring together practitioners from diverse sectors to present and debate open issues and future breakthroughs in Blockchain applied in smart business exhibiting industry strengths.

The Topics covered by this particular session include but are not limited to:

- Blockchain-assisted lightweight protocol design methods for smart cities
- Advances in blockchain-assisted distributed machine learning solutions for smart environment
- Innovative methods of theoretical models and architectural designs for smart cities using blockchain techniques
- Trust-based models for smart city applications using blockchain methodologies
- Blockchain assisted fog, edge, and cloud computing models for secure smart city networks and data
- Advances in blockchain and cybersecurity for smart city applications
- Effective ways to improve performance and efficiency measures of applications with blockchain techniques
- Blockchain-assisted federated learning solutions for secure smart cities mobile applications
- Advances in vulnerability and risk management across smart cities environment with blockchain and artificial intelligence methodologies
- Blockchain for smart cities security from a future perspective
- Blockchain-based access control
- Advances in big data analytics with blockchain methodologies for secure smart cities

Submission:

In order to submit to this session, please write “S2” as a prefix to your manuscript name. for example, if you have your file name as “UAVmobility.pdf”, the submitted file name should be “S2-UAVmobility.pdf.”



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